

# AweSTEM! 2014

## Professional Development Workshops at Mass Academy

Mass Academy faculty present professional developments workshops during the academic year and summer at Mass Academy located on WPI's campus. Examples of past workshop topics include:

- Embracing the Woodchuck: Teaching Thoreau
- Starting (or Improving) a Science Fair Program
- Movie Making Across the Curriculum
- STEM II – Project-Based Engineering
- Texas Instruments Technology Workshops
- Science Literacy and the Common Core
- Strategies to Facilitate Cooperative Learning
- Teaching Physics using Modeling Techniques



## Professional Development Workshops at Your School

Mass Academy faculty present site-specific professional development workshops at local schools. Topics include but are not limited to:



- Science Literacy
- Next Generation Science Standards Implementation
- Implementing a STEM Program at Your School
- Integrating STEM Activities into Your Curriculum
- Integrating Technology across the Curriculum
- Teaching History and Culture through Literature
- Developing Analytical Reading and Writing Across the Curriculum

## District/School Consultations

Long-term relationships are developed to support schools in the implementation of district STEM goals.

Integrating Technology

Implementing Project-Based, Student-Centered Instruction

Beginning or Expanding a STEM Program



For more information contact Shari Weaver at (508) 831-488 or [sweaver@wpi.edu](mailto:sweaver@wpi.edu)



STEM  
Education  
Center

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[www.wpi.edu/+stem](http://www.wpi.edu/+stem)  
[stemcenter@wpi.edu](mailto:stemcenter@wpi.edu)  
508-831-5512



# MASS ACADEMY OF MATH & SCIENCE AT WPI

A public high school at a prestigious university.

## Spring Workshops

Got Doldrums? Alternatives to Traditional Lab Reports

- Saturday, March 15, 10 am – 4 pm
- Mass Academy of Math and Science, WPI

Science MCAS & Beyond: Creating and Coaching Open Response Questions

- Friday, March 21<sup>st</sup>, 10 am – 4 pm
- Tower Hill Botanic Garden, Boylston, MA

## Summer Workshops

Science Writing: The Common Core and More

- Tuesday, July 29<sup>th</sup> and Wednesday July 30<sup>th</sup>, 10 am – 4 pm
- Tower Hill Botanic Garden, Boylston, MA

Implementing NGSS at the Elementary School Level Through Integrated STEM Activities

- Monday, July 28<sup>th</sup> and Tuesday, July 29<sup>th</sup>, 9 am – 3 pm
- Mass Academy of Math and Science, WPI

Integrating NGSS and Common Core at the Middle School Level

- Wednesday, July 30<sup>th</sup> and Thursday, July 31<sup>st</sup>, 9 am – 3 pm
- Mass Academy of Math and Science, WPI

Using Project-Based Learning to Teach Upper Level Physics Concepts to High Needs Students

- August 5<sup>th</sup> – 6<sup>th</sup>, 9 am – 3 pm
- Mass Academy of Math and Science, WPI